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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

05/02/2008

Paul T Dietz
Seagate Technology LLC
Intellectual Property Dept NRW097
7801 Computer Avenue South
Bloomington, MN 55435

EXAMINER				
HEINZ, ALLEN J				
ART UNIT	PAPER NUMBER			

2627

DATE MAILED: 05/02/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/897,779	06/29/2001	Zine Eddine Boutaghou	1734.001US1	9826

TITLE OF INVENTION: BI-LEVEL CAVITY FOR A SLIDER AIR-BEARING SURFACE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	08/04/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.
- II. PART B FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE TEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 7590 05/02/2008 Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below. Paul T Dietz Seagate Technology LLC Intellectual Property Dept NRW097 7801 Computer Avenue South (Depositor's name) Bloomington, MN 55435 (Signature) (Date) FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. APPLICATION NO. FILING DATE 1734.001US1 9826 09/897,779 06/29/2001 Zine Eddine Boutaghou TITLE OF INVENTION: BI-LEVEL CAVITY FOR A SLIDER AIR-BEARING SURFACE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE DUE ISSUE FEE DUE APPLN. TYPE SMALL ENTITY 08/04/2008 \$1440 \$300 20 \$1740 nonprovisional NO **CLASS-SUBCLASS** ART UNIT **EXAMINER** HEINZ, ALLEN J 2627 360-235500 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (B) RESIDENCE: (CITY and STATE OR COUNTRY) (A) NAME OF ASSIGNEE Please check the appropriate assignee category or categories (will not be printed on the patent): 🔲 Individual 🚨 Corporation or other private group entity 🚨 Government 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) 4a. The following fee(s) are submitted: ☐ Issue Fee A check is enclosed. Payment by credit card. Form PTO-2038 is attached. ☐ Publication Fee (No small entity discount permitted) The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any Advance Order - # of Copies overpayment, to Deposit Account Number _ (enclose an extra copy of this form). 5. Change in Entity Status (from status indicated above) a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. □ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office. Date Authorized Signature Typed or printed name Registration No.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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Paul T Dietz			HEINZ, A	ALLEN J
Seagate Technology LLC			ART UNIT	PAPER NUMBER
Intellectual Property Dept NRW097 7801 Computer Avenue South Bloomington, MN 55435		2627 DATE MAILED: 05/02/200	8	
		DATE MAILED. 03/02/2006		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1055 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1055 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

A .	Application No.	Applicant(s)
	09/897,779	BOUTAGHOU ET AL.
Notice of Allowability	Examiner	Art Unit
	A. J. HEINZ	2627
The MAILING DATE of this communication apper All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apport or other appropriate communication (GHTS. This application is subject to	plication. If not included will be mailed in due course. THIS
1. X This communication is responsive to papers filed 12/13/04.	•	
2. The allowed claim(s) is/are <u>21-41</u> .		
Acknowledgment is made of a claim for foreign priority unally All b) Some* c) None of the: 1. □ Certified copies of the priority documents have 2. □ Certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have 3. □ Copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have 3. □ Copies of the priority documents have 3.	e been received. e been received in Application No	
International Bureau (PCT Rule 17.2(a)). * Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply MENT of this application.	complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EXAMINER es reason(s) why the oath or declara	S'S AMENDMENT or NOTICE OF ation is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") must		
(a) including changes required by the Notice of Draftspers		-948) attached
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the drawi the header according to 37 CFR 1.121	ngs in the front (not the back) of (d).
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	SIT OF BIOLOGICAL MATERIAL (FOR THE DEPOSIT OF BIOLOGIC	must be submitted. Note the AL MATERIAL.
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. Notice of Informal F	Patent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☑ Interview Summary	(PTO-413),
3. Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Da 7. ⊠ Examiner's Amend	
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. Examiner's Statem	ent of Reasons for Allowance
of Biological Material	9. Other	
		A. J. HEINZ Primary Examiner Art Unit: 2627

Application/Control Number: 09/897,779 Page 2

Art Unit: 2627

EXAMINER'S AMENDMENT/COMMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee

Authorization for this examiner's amendment was given in a telephone interview with Mr. P.T. Deitz on 14 November 2007.

IN THE CLAIMS:

Cl.21[renumbered as Cl.1], has been changed to read as follows:
--A slider comprising:

- a first rail;
- a second rail;
- at least one negative pressure cavity positioned between the first rail and second rail, the cavity having a proximal and distal end, the cavity further comprising:
- a first surface extending between the first and second rail and positioned in the proximal end of the cavity; and
- a second surface extending between the first and second rail and positioned adjacent the first surface in the cavity, wherein the second surface is recessed from the first surface and the first and second surfaces are recessed from an airbearing surface.--.

Art Unit: 2627

Cl.24 [renumbered as Cl.4], line 1, "claim 21" has been changed to --claim 22--.

Cl.33[renumbered as Cl.13], has been changed to read as follows:
--A slider comprising:

- a center of gravity;
- a first and second rail; and

a negative pressure cavity positioned between the first and second rail, said cavity having a first surface and a second surface, wherein the first and second surfaces are positioned such that a suction force generated by the cavity is proximate the center of gravity.--.

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to A. J. HEINZ whose telephone number is (571) 272-7587. The examiner can normally be reached on M-F 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wayne Young can be reached on (571)272-7582.

The fax phone number for the organization where this application or proceeding is assigned is (571)273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A. J. HEINZ Primary Examiner Art Unit 2627

A. J. Jenn